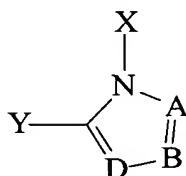


IN THE CLAIMS:

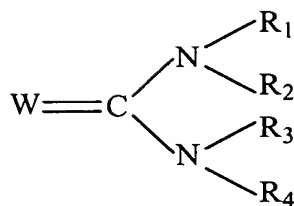
1. A single-part photographic bleach-fixing composition formed by mixing at least the following:

- (a) a bleaching agent comprising an iron-ligand complex;
- 5 (b) a fixing agent comprising a thiosulfate; and
- (c) at least one of the following formula (A) compound or formula (B) compound:



formula (A),

- wherein each of A, B and D independently represents a nitrogen atom or C-
- 10 R₅, wherein R₅ represents a hydrogen atom, an alkyl group, an aryl group, an amino group, a carboxyl group or a mercapto group; X represents a hydrogen atom, an alkyl group or an aryl group; and Y represents a hydrogen atom, an alkyl group, an aryl group, an amino group, a carboxyl group or a mercapto group; wherein R₅ is substituted or unsubstituted when R₅ is not the hydrogen atom, X is substituted or
- 15 unsubstituted when X is not the hydrogen atom, and Y is substituted or unsubstituted when Y is not the hydrogen atom;



formula (B),

wherein W represents an oxygen atom, a sulfur atom or N-H; each of R₁, R₂, R₃ and R₄ independently represents a hydrogen atom, an alkyl group or an aryl group; wherein R₂ and R₃ are optionally bonded together to form a ring, and wherein

5 R₁ is substituted or unsubstituted when R₁ is not the hydrogen atom, R₂ is substituted or unsubstituted when R₂ is not the hydrogen atom, R₃ is substituted or unsubstituted when R₃ is not the hydrogen atom, and R₄ is substituted or unsubstituted when R₄ is not the hydrogen atom.

2. The single-part photographic bleach-fixing composition according to

10 claim 1, wherein the composition is formed from at least the formula (A) compound, and wherein D represents the nitrogen atom and B represents C-R₅.

3. The single-part photographic bleach-fixing composition according to claim 2, wherein A in the formula (A) compound represents C-H.

4. The single-part photographic bleach-fixing composition according to claim 1, wherein the composition is formed from at least the formula (B) compound, and wherein W represents the oxygen atom.

5. The single-part photographic bleach-fixing composition according to claim 1, wherein each of R_1 , R_2 and R_3 of the formula (B) compound represents the hydrogen atom.

6. The single-part photographic bleach-fixing composition according to claim 5, wherein each of R_1 , R_2 , R_3 and R_4 of the formula (B) compound represents the hydrogen atom.

10 7. The single-part photographic bleach-fixing composition according to claim 1, wherein the bleaching agent is mixed in an amount of at least about 0.1 mol/liter, based on the volume of the composition.

8. The single-part photographic bleach-fixing composition according to claim 7, wherein the bleaching agent is mixed in an amount from about 0.1 to about 15 1.2 mol/liter, based on the volume of the composition.

9. The single-part photographic bleach-fixing composition according to claim 8, wherein the bleaching agent is mixed in an amount from about 0.15 to about 1.0 mol/liter, based on the volume of the composition.

10. The single-part photographic bleach-fixing composition according to
5 claim 9, wherein the bleaching agent is mixed in an amount from about 0.25 to about 0.8 mol/liter, based on the volume of the composition.

11. The single-part photographic bleach-fixing composition according to claim 1, wherein the fixing agent consists essentially of the thiosulfate.

12. The single-part photographic bleach-fixing composition according to
10 claim 1, wherein the fixing agent is mixed in an amount of at least about 0.5 mol/liter, based on the volume of the composition.

13. The single-part photographic bleach-fixing composition according to claim 12, wherein the fixing agent is mixed in an amount from about 0.5 to about 4.0 mol/liter, based on the volume of the composition.

14. The single-part photographic bleach-fixing composition according to
15 claim 13, wherein the fixing agent is mixed in an amount from about 1.0 to about 3.0 mol/liter, based on the volume of the composition.

15. The single-part photographic bleach-fixing composition according to claim 14, wherein the fixing agent is mixed in an amount from about 1.5 to about 2.5 mol/liter, based on the volume of the composition.

16. The single-part photographic bleach-fixing composition according to claim 1, wherein the composition is further formed by mixing a sulfite.

17. The single-part photographic bleach-fixing composition according to claim 16, wherein the sulfite is mixed in an amount of at least about 0.2 mol/liter, based on the volume of the composition.

18. The single-part photographic bleach-fixing composition according to claim 17, wherein the sulfite is mixed in an amount from about 0.2 to about 3.0 mol/liter, based on the volume of the composition.

19. The single-part photographic bleach-fixing composition according to claim 18, wherein the sulfite is mixed in an amount from about 0.4 to about 2.5 mol/liter, based on the volume of the composition.

20. The single-part photographic bleach-fixing composition according to claim 19, wherein the sulfite is mixed in an amount from about 0.8 to about 2.0 mol/liter, based on the volume of the composition.

21. The single-part photographic bleach-fixing composition according to claim 1, wherein the at least one of the formula (A) compound or formula (B) compound is mixed in an amount from about 0.01 to about 5.0 mol/liter, based on the volume of the composition.

5 22. The single-part photographic bleach-fixing composition according to claim 21, wherein the at least one of the formula (A) compound or formula (B) compound is mixed in an amount from about 0.05 to about 2.0 mol/liter, based on the volume of the composition.

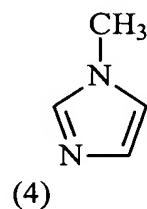
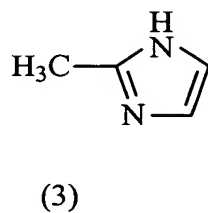
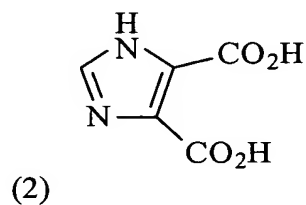
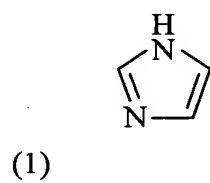
23. The single-part photographic bleach-fixing composition according to
10 claim 22, wherein the at least one of the formula (A) compound or formula (B) compound is mixed in an amount from about 0.10 to about 1.0 mol/liter, based on the volume of the composition.

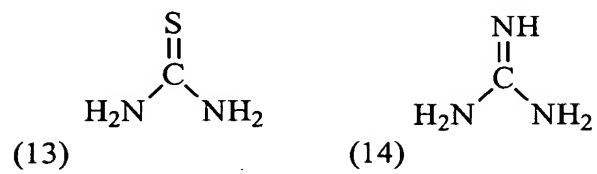
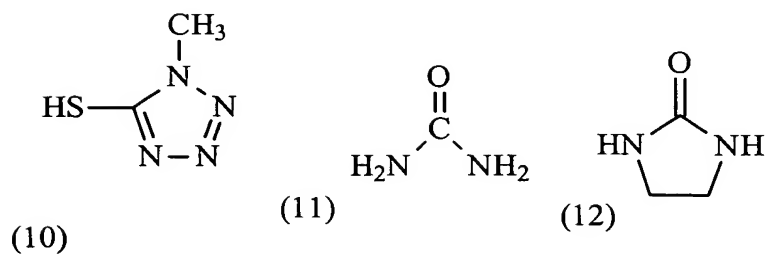
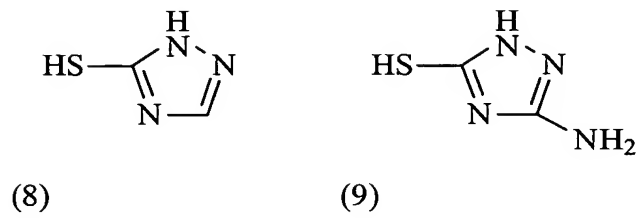
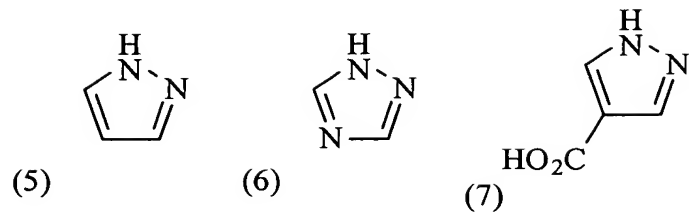
24. The single-part photographic bleach-fixing composition according to claim 1, wherein the pH of the composition is from about 3.5 to about 7.5.

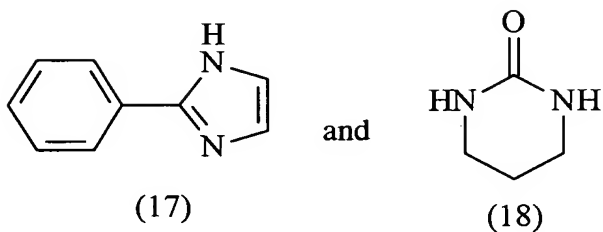
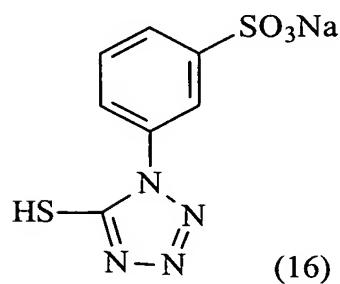
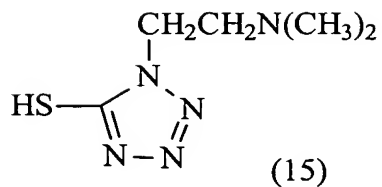
15 25. The single-part photographic bleach-fixing composition according to claim 24, wherein the pH of the composition is from about 4.0 to about 7.0.

26. The single-part photographic bleach-fixing composition according to claim 25, wherein the pH of the composition is from about 4.5 to about 6.5.

27. The single-part photographic bleach-fixing composition according to claim 1, wherein the at least one of the formula (A) compound or formula (B) compound comprises a compound selected from the group consisting of the following compounds (1) to (18) and mixtures thereof:







28. The single-part photographic bleach-fixing composition according to claim 27, wherein the at least one of the formula (A) compound or formula (B) compound comprises a compound selected from the group consisting of compounds (1), (6), (11) and mixtures thereof.

29. The single-part photographic bleach-fixing composition according to claim 1, wherein the composition is in the form of a concentrate.

30. A method for processing a photographic material, comprising contacting the photographic material with the single-part photographic bleach-fixing composition according to claim 1.

31. The method according to claim 30, wherein the single-part
5 photographic bleach-fixing composition is in the form of a concentrate, and the concentrate is diluted prior to contact with the photographic material.